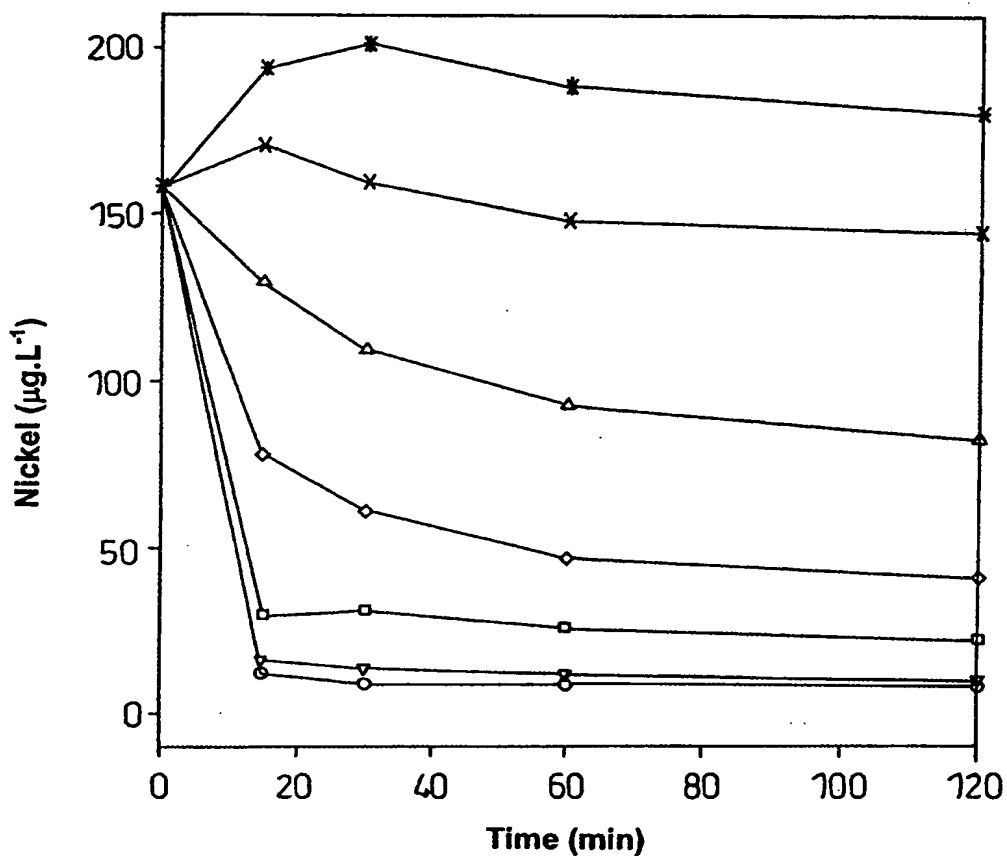




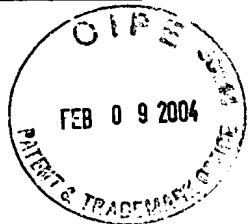
Process for the Purification of Recombinant Albumin
H. Van Urk, D.J. Mead, P.H. Morton, A.J. Cartwright, J. Cameron, D.J. Ballance, M.G.J. Grandgeorge,
S. Berezenko, J.R. Woodrow, D. Sleep, and J-L.B. Veron,
Appl. No. 09/890,297

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- pH 4.0
- ▽ pH 4.5
- pH 5.0
- ◇ pH 5.5
- △ pH 6.0
- x pH 6.5
- * pH 7.0

Fig. 9

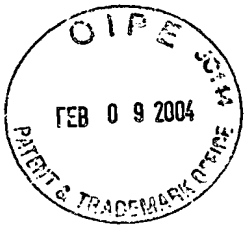


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5'-GATTGGCAGAAGAGGTATCTGCTTATGGACATGAGGGGCTTTGGCGGT
GATGCCAATGATGACTTTGTTGTGGAGATTGCCAAGGATCTTTCAACTAC
TGAAGAAGCTAAGGAAAACGTTAGGGCCATTCAAAGTGTCTTTTAGATTGA
GACATGCGATGACTGGTTGTTACTTGTCTCCACGAAGTCAAGCTTCCC
AAGTGGGCATATGAGCAACAAGAGGTTACTTGTGCTACTCAAGGTATCAA
ACCCTATCTTACTGGTACGTTGAGACCAACGAAAACCCATTCTTGGATAA
AGAGGTTGATGAAATAGTTAGCTATCCTGTTCCGACTTTCTTTCAAAGGTT
GCCGACTCACGCCAGAATGTGGAAGATCAACAAGGCTTACTGATCATATG
CTATGAATCCAGTCCAGATCTTGG-3'

Fig. 10

SEQ ID NO:1

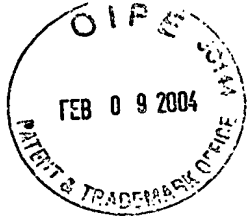


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5'-GTGTTGCAGTTGTAGTCCCACCTTGAGTATCTTGGATTTCGTTGCATTGGT
CCTTGGTCCATCGTCCTGCATAGATCAATGGGAGAATATCTTTGGAAGAT
AGAAAGCGCAACGGCAAAAAAGAGAACGAATATGGAGTAAGACACAACC
TGTTTGTTTTTTGAAGACATAAGAGTGAATAATCTCAAACACATGTCCGAG
AGCCAATATACCAAAGTACAATGATGGTAGATAGTGGTGCAAAAATAGCT
GACGGGCCATAAGGGAAAGATGGCAAGTAATGCAGTACCCATCCTAGGA
TGTAATGAAGCATTTGAACATTGAAGTTGAGCACAGTTGGGTCAACGCTG
AACCCAAAACCTCTTTGCCTCTCAGAATAGAGAAACCAAAAAGACAGAG
AACAAAGCATACTTGCGGTGACTGTCACCAAGTGACAGCATTCCTATGAA
ATAAATTG-3'

Fig. 11

SEQ ID NO:2



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5'-TACGTTATGGATGTGCATCCACTTCCTGAAGCTTCTCATCGGCAACCTT
TTGAATCTGCAATTTATTATCTTCATTGAAGGCAAGCTTGAACACTTTGAC
GGTAGAAAGACGAGCGACAACCAAGAATTGCCCGTCAGAAGTGAGATCA
CAATGGGTGATGTTGTCCTCATCGCTTAGGACCAGTTTGGCTAATAGTTTT
CTGCCTTGCTGAGGAAGGACTTTCATACTTTAATGGTTTGGTCTTGCCCA
TGATCACCAGCTTCTGGGATTTATTGAAAAGGACAGTTTGATCGTTTCAG
GGAATACTGACAGTCTTTGAATTTTCGCAGTCTTGAAACGATTCAGCTTAG
AAACGGCTATGTCTGACAATGATGCTTCAGATAGTACAGATCGAGGTCCT
GGATTGG-3'

Fig. 12

SEQ ID NO:3



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5'-GCGCAGGTGACTTCTTGCTGGAAAATGTGCTACAAGGAGGTAAAGACC
GTGTCATTGAGGGCCTGGTTTGGTCTACTTATGACGATTACCCTCGTCGTC
TGTTTTCCATTGGTGGTTCGACTGTGATGACCGAATGGGATATTGCTACCG
GTTTGCCCTTAAACAACACTACGATTGTAACCTCCGGTATCACCTGGAGTATC
AGCATCAACACAACACTCAGGATAAGATATGCGTAGGCTGTGACAATGGAA
CTGTAGTCGTTATTGACATAAGTGGTGGACCGGGATCTCTAGTATAAGAA
AATTGTATCCGGATGTTCTGATGGCCGATAAGGATATGGAATACGAGGAA
G-3'

Fig. 13

SEQ ID NO:4



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5'-GTATTGCAGTTGTAGTCCCAGAATGAATTGCTCTTTTAATTGTTCTTTTT
GGCTGGAGAAGTGCTCGTATGTCTTGATCGATGAGATACAGCTGAGATTT
AAGTTGTTCTAGGTTGATAGTTGAATGTTTCAGAGTTGAGGGGTTCCATGG
TCAAGTATAGGAGGATCCAGCTCATCTAGGGAGTGGAATTGAGTACTGAC
ACTCATTACTGGAAGAAGTAGAAAGAGTACTGGTTTTGTGGTAAGTTCCA
TATTTTCAGATGTCTGTAGATGGTCGAGCGAGGTGAACATTTTCATAGGAGA
TTTCAGAGGAGTTGGACTTTGAAAATGGTGACAAAAGGTAGACAGAAGA
AAGGTTAGAGAGTGCAGTGATTCAAGGTGGTTGCAGAAGTCC-3'

Fig. 14

SEQ ID NO:5



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5'-TTGAGACATGCTATGACGGGTCAAGTTTTTTAGATAAAAGTTGGACTCTTG
GGCATGAGCGCATCCTCACATCGGCCATAGCAGATAAACGGTAGCAGTTT
TTTTGAACGAGGCTGTAAGATAGGGGAATCTCCGTTTTTAGGCTTTCAGTG
ACTTGTTGCATCGCAATGGGTAGATATGTTACACAGTGGCAAAAGCTCTG
GATGCTATGAAACTGACCAAATGTGGATTAGAACTTGGAGTCTAACTATT
TGACTCTAAGAATTTCCAATTTTTGCCTTCTACTAGCCATTTTCTACTTTC
ATGGGACATCATCACTTATTTGCTCCCCAACCTGTCAAATACCCACCAAT
GTTCAAGGTCG-3'

Fig. 15

SEQ ID NO:6



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5'-AGATTGAGACATGCTATGACGGGTTGTTACTTGTCTCCCGCGAAGTCA
AGCTTCCCAAGTGGGCATATGAGCAACAAGAGGTTACTTGTGCTACTCAA
GGGTATCAAACCACTATCTTACTGGTACGTTGAGACCAACGAAAACCCAT
TCTTGGATAAAGAGGTTGATGAAATAGTTAGCTATCCTGTTCCGACTTTCT
TTCAAAAGGTTGCCGAGCTACACGCCAGAATGTGGAAGATCAACAAGGG
CTTAACTGATCATCATGTCTATGAATCCAGTCCAGATTCTTGGCCCTTCCT
GTCAGAGGTATAAGCTACTGGTCAAAAAATCACTCCAAATTATTTTCATAG
GTAATGCTGCACTTGGTGGACAGTCACCGAAGTTTG-3'

Fig. 16

SEQ ID NO:7



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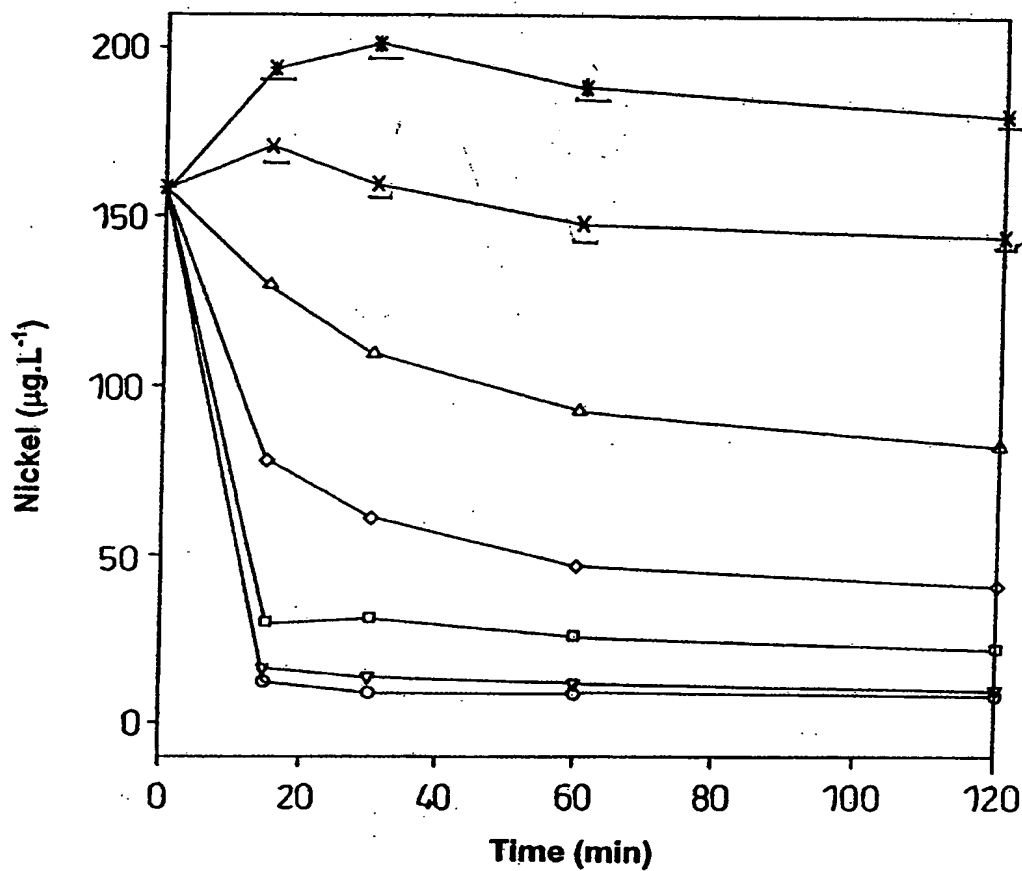
5'-GTGTTGCAGTTGTAGTCCCACTTGAGTATCTTGGATTTCGTTGCATTGGT
CCTTGGTCCATCGTCCTGCATAGATCAATGGGAGAATATCTTTGGAAGAA
GAAAGCGCAACGGCAAAAAAGANAACGAATATGGAGTAAGACACAACCT
GTTTGTTTTTTGAAGACATAAGAGTGAATAATCTCAAACACATGTCCGAGA
GCCAATATACCAAAGTACAATGATGGTAGATAGTGGGTGCAAAAATAGCT
GACGGGCCATAAGGAAAGATGGCAAGTAATGCAGTACCCATCCTAGGAT
GTAATGAAGCATTGTAACATTGAAGTTGAACACAGTTGGGTCAACGCTGA
ACCCAAAACCTCTTTGCCATCTCAGAATAGAGAAAACCAAAAAGACAGA
GAACAAAGCA-3'

Fig. 17

SEQ ID NO:8



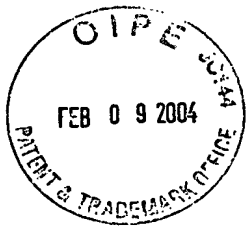
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- pH 4.0
- ▽ pH 4.5
- pH 5.0
- ◇ pH 5.5
- △ pH 6.0
- x pH 6.5
- * pH 7.0

Fig. 9

Figure 9



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5'-GATTGGCAGAAGAGGTATCTGCTTATGGACATGAGGGGCTTTGGCGGT
GATGCCAATGATGACTTTGTTGTGGAGATTGCCAAGGATCTTTCAACTAC
TGAAGAAGCTAAGGAAAACGTTAGGGCCATTCAAAGTGTTTTTAGATTGA
GACATGCGATGACTGGTTGTTACTTGTCTCCACGAAGTCAAGCTTCCC
AAGTGGGCATATGAGCAACAAGAGGTTACTTGTGCTACTCAAGGTATCAA
ACCCTATCTTACTGGTACGTTGAGACCAACGAAAACCCATTCTTGGATAA
AGAGGTTGATGAAATAGTTAGCTATCCTGTTCCGACTTTCTTTCAAAGGTT
GCCGACTCACGCCAGAATGTGGAAGATCAACAAGGCTTACTGATCATATG
CTATGAATCCAGTCCAGATCTTGG-3'

Fig. 10

SEQ ID NO:1

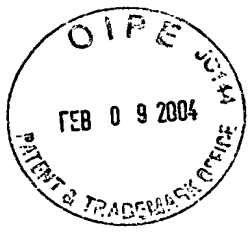


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5'-GTGTTGCAGTTGTAGTCCCACTTGAGTATCTTGGATTCGTTGCATTGGT
CCTTGGTCCATCGTCCTGCATAGATCAATGGGAGAATATCTTTGGAAGAT
AGAAAGCGCAACGGCAAAAAAGAGAACGAATATGGAGTAAGACACAACC
TGTTTGTTTTTGAAGACATAAGAGTGAATAATCTCAAACACATGTCCGAG
AGCCAATATACCAAAGTACAATGATGGTAGATAGTGGTGCAAAAATAGCT
GACGGGCCATAAGGGAAAGATGGCAAGTAATGCAGTACCCATCCTAGGA
TGTAATGAAGCATTTGAACATTGAAGTTGAGCACAGTTGGGTCAACGCTG
AACCCAAAACCTCTTTGCCTCTCAGAATAGAGAAACCAAAAAGACAGAG
AACAAAGCATACTTGCGGTGACTGTCACCAAGTGACAGCATTCCTATGAA
ATAAATTG-3'

Fig. 11

SEQ ID NO:2



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5'-TACGTTATGGATGTGCATCCACTTCCTGAAGCTTCTCATCGGCAACCTT
TTGAATCTGCAATTTATTATCTTCATTGAAGGCAAGCTTGAACACTTTGAC
GGTAGAAAGACGAGCGACAACCAAGAATTGCCCGTCAGAAGTGAGATCA
CAATGGGTGATGTTGTCCTCATCGCTTAGGACCAGTTTGGCTAATAGTTTT
CTGCCTTGCTGAGGAAGGACTTTCCATACTTTAATGGTTTGGTCTTGCCCA
TGATCACCAGCTTCTGGGATTTATTGAAAAGGACAGTTTGATCGTTTCAG
GGAATACTGACAGTCTTTGAATTTTCGCAGTCTTGAAACGATTCAGCTTAG
AAACGGCTATGTCTGACAATGATGCTTCAGATAGTACAGATCGAGGTCCT
GGATTGG-3'

Fig. 12

SEQ ID NO:3



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5'-GCGCAGGTGACTTCTTGCTGGAAAATGTGCTACAAGGAGGTAAAGACC
GTGTCATTGAGGGCCTGGTTTGGTCTACTTATGACGATTACCCTCGTCGTC
TGTTTTCCATTGGTGGTTCGACTGTGATGACCGAATGGGATATTGCTACCG
GTTTGCCCTTAAACAACACTACGATTGTAACCTCCGGTATCACCTGGAGTATC
AGCATCAACACAACACTCAGGATAAGATATGCGTAGGCTGTGACAATGGAA
CTGTAGTCGTTATTGACATAAGTGGTGGACCGGGATCTCTAGTATAAGAA
AATTGTATCCGGATGTTCTGATGGCCGATAAGGATATGGAATACGAGGAA
G-3'

Fig. 13

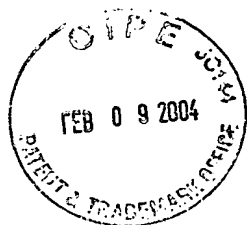
SEQ ID NO:4



5'-GTATTGCAGTTGTAGTCCCAGAATGAATTGCTCTTTTAATTGTTCTTTTT
GGCTGGAGAAGTGCTCGTATGTCTTGATCGATGAGATACAGCTGAGATTT
AAGTTGTTCTAGGTTGATAGTTGAATGTTTCAGAGTTGAGGGGTTCCATGG
TCAAGTATAGGAGGATCCAGCTCATCTAGGGAGTGGAATTGAGTACTGAC
ACTCATTACTGGAAGAAGTAGAAAGAGTACTGGTTTTGTGGTAAGTTCCA
TATTTTCAGATGTCTGTAGATGGTCGAGCGAGGTGAACATTTTCATAGGAGA
TTTCAGAGGAGTTGGACTTTGAAAATGGTGACAAAAGGTAGACAGAAGA
AAGGTTAGAGAGTGCAGTGATTCAAGGTGGTTGCAGAAGTCC-3'

Fig. 14

SEQ ID NO:5



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5'-TTGAGACATGCTATGACGGGTCAAGTTTTTTAGATAAAAGTTGGACTCTTG
GGCATGAGCGCATCCTCACATCGGCCATAGCAGATAAACGGTAGCAGTTT
TTTTGAACGAGGCTGTAAGATAGGGGAATCTCCGTTTTTAGGCTTTCAGTG
ACTTGTTGCATCGCAATGGGTAGATATGTTACACAGTGGCAAAAGCTCTG
GATGCTATGAAACTGACCAAATGTGGATTAGAACTTGGAGTCTAACTATT
TGACTCTAAGAATTTCCAATTTTTGCCTTCTACTAGCCATTTTCTACTTTC
ATGGGACATCATCACTTATTTGCTCCCCAACCTGTCAAATACCCACCAAT
GTTCAAGGTCG-3'

Fig. 15

SEQ ID NO:6



5'-AGATTGAGACATGCTATGACGGGTTGTTACTTGTTCTCCCGCGAAGTCA
AGCTTCCCAAGTGGGCATATGAGCAACAAGAGGTTACTTGTGCTACTCAA
GGGTATCAAACCACTATCTTACTGGTACGTTGAGACCAACGAAAACCCAT
TCTTGGATAAAGAGGTTGATGAAATAGTTAGCTATCCTGTTCCGACTTTCT
TTCAAAAGGTTGCCGAGCTACACGCCAGAATGTGGAAGATCAACAAGGG
CTTAACTGATCATCATGTCTATGAATCCAGTCCAGATTCTTGGCCCTTCCT
GTCAGAGGTATAAGCTACTGGTCAAAAAATCACTCCAAATTATTTCATAG
GTAATGCTGCACTTGGTGGACAGTCACCGAAGTTTG-3'

Fig. 16

SEQ ID NO:7



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5'-GTGTTGCAGTTGTAGTCCCAGTTGAGTATCTTGGATTTCGTTGCATTGGT
CCTTGGTCCATCGTCCTGCATAGATCAATGGGAGAATATCTTTGGAAGAA
GAAAGCGCAACGGCAAAAAAGANAACGAATATGGAGTAAGACACAACCT
GTTTGT TTTTGAAGACATAAGAGTGAATAATCTCAAACACATGTCCGAGA
GCCAATATACCAAAGTACAATGATGGTAGATAGTGGGTGCAAAAATAGCT
GACGGGCCATAAGGAAAGATGGCAAGTAATGCAGTACCCATCCTAGGAT
GTAATGAAGCATT TGAACATTGAAGTTGAACACAGTTGGGTCAACGCTGA
ACCCAAAACCTCTTTGCCATCTCAGAATAGAGAAAACCAAAAAGACAGA
GAACAAAGCA-3'

Fig. 17

SEQ ID NO:8